

## WIRED, WIRELESS, INFRARED, AND POWERLINE AUDIO ENTERTAINMENT SYSTEMS

### Abstract of the Disclosure

A method and system for communicating audio, video, and/or control signals within a home entertainment system. One or more signals are communicated between an input device and one or more output devices via one or more networks. The output device can include loudspeakers, display devices, and headphones. In some embodiments an output device, for example a center channel loudspeaker, transmits signals to other output devices. For example, the center channel loudspeaker can transmit a combined audio signal and control signal to a remote loudspeaker over a first network and transmit a video signal to a display device over a second network. The display device displays the video signal. The networks can be wireless, wired, infrared, RF, and powerline.

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